

POZNYAK, V.S.; POVARKOVA, S.S.; RAKOVSKIY, V.Ye.

Chemical study of the sapropels of White Russia; chemical composition of sapropels from the Molodechno Province. Report No. 1. Trudy Inst. torfa AN BSSR 7:266-281 '59. (MIRA 14:1)
(Molodechno Province—Sapropels)

RAKOVSKIY, V.Ye.; POZNYAK, V.S.; SLIVKA, Z.M.

Use of sapropel as a cementing substance. Trudy Inst. torf. AN BSSR
9:254-259 '60. (MIRA 14:2)

(Sapropel)

POZNYAK, V.S.; RATNER, A.G.; RAKOVSKIY, V.Ye.

Nitrogen compounds of peat. Trudy Inst. torfa AN BSSR 7:152-161
'59. (MIRA 14:1)
(Peat—Analysis) (Nitrogen compounds)

1 Poznyakov, A. I.

A. I. Poznyakov, Lieutenant Colonel of the Medical Service,
Candidate of Medical Sciences — On the Nature of Bacterial
Carriage in Dysentery.

The following was revealed on the basis of a study of 100 cases carried out during the period 1954 to 1955. In large part of dysentery among persons who have been in contact with patients bacterial carriage occurs without any clinical manifestations, changes in the intestinal mucosa or the occurrence of pathological elements in the stool (87.9 percent of those examined). Bacterial carriage in these cases is brief and lasts, mainly, no more than ten days.

In the bacterial carriers found in a group of contacts in instances of sporadic cases of dysentery the carriage was more prolonged — 13-20 days. In this group persons encountered (12.2 percent of all those examined) with clinical signs of dysentery with changes in the intestinal mucosa and pathological elements in the stool; evidently, they represented patients with dysentery in a mild or

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abortive form. In 10-15 percent of cases bacterial carriage can be maintained by the presence of helminths or protozoa; elimination of them leads to the disappearance of the dysentery pathogens.

Through the repeated large-scale bacteriological examinations of entire groups of persons with dysentery with the immediate isolation of all bacterial carriers detected and the accomplishment of other anti-epidemic and sanitary hygienic measures it is possible to eliminate the foci in a comparatively short period of time.

Voenno-Meditsinskii Zhurnal, No. 9, 1959.

POZNYAKOV, A.I., kand.med.nauk, podpolkovnik meditsinskoy sluzhby

Dysentery bacteria carriers. Voen.--med.zhur. no.9:82 S '59.
(MIRA 13:1)

(DYSENTERY)

RUBTSOV, V., POZNYAKOV, L.

Television

Sweep generators for televisor with electrostatic tube. Radio no. 3, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

KURAKHTANOV, D.D.; KHAYRUTDINOV, R.M.; POZNYAKOV, M.V.

Efficient use of scrap for the purpose of lowering residual impurities in the metal. Stal' 25 no.7:616-618 J1 '65. (MIRA 18:7)

1. Chelyabinskiy nauchno-issledovatel'skiy institut metallurgii.

POZNYAKOV, K.

From practice in improving workers' qualifications. Sots.trud.
no.1:127-130 Ja '57. (MLRA 10:4)
(Employees, Training of)

GNILORYBOV, T.Ye.; KAMAYEV, M.P.; POZNYAKOV, K.I.; KHOROSHMANENKO, N.Ya.;
CHUKHRIYENKO, D.P. .

Dmitrii Averkievich Vasilenko. Nov. khir. arkh. no.2:138-139 Mr-Ap
'59. (MIRA 12:7)
(VASILENKO, DMITRII AVERKIEVICH, 1883-)

PA 7/49T57

POZNYAKOV, N.

USSR/Communications

Sep 48

"Development of Means of Communications in the
Trans-Carpathian Oblast," N. Poznyakov, Deputy
Chief, Trans-Carpathian Oblast Communications
Adm, 1 p

"Vest Svyazi - Pochta" No 9 (102)

Describes rapid growth in communication since
Oblast was restored to the Ukrainians.

7/49T57

AYZENSHTAT, S.Yu., inzh.; BARKAN, V.M., inzh.; KURTSMAN, M.D., inzh.;
POZNYAKOV, N.V., inzh.; CHERNYAVSKIY, I.S., inzh.;
SHTEYNBERG, A.S., inzh.; MIL'SHTEYN, D.S., inzh., red.;
KASHTANOV, F., red.; STEPANOVA, N., tekhn. red.

[Concealed electrical wiring in 1-464A-series large-panel
apartment houses] Montazh skrytoi smeniaemoi elektroprovodki v
krupnopanel'nykh zhilykh domakh serii 1-464A. Pod red. D.S.
Mil'shteina. Minsk, Gos.izd-vo BSSR, Red. proizvodstvennoi lit-
ry, 1962. 75 p. (MIRA 15:6)

1. Elektromontazh no.18, turst.
(Electric wiring, Interior)

POZNYAKOV, Sergey Yakovlevich; GLADKOV, V.A., red.; SYCHEVA, V.A.,
tekhn.red.

[Boring with small diameter bore bits; from miners'
practices in the "Severonikel'" Combine] Burenie koronkami
malogo diametra; iz opyta gorniakov kombinata "Severonikel'."
Murmansk, Murmanskoe knizhnoe izd-vo, 1962. 35 p.
(MIRA 17:2)

69828
S/136/60/000/05/006/025
E071/E235

18.3100

AUTHORS: Poznyakov, V. Ya., Agayev, A. G., and Alekseyev, Yu, V

TITLE: An Improvement in Reducing Electromelting of Nickel Oxide Into Anode Metal

PERIODICAL: Tsvetnyye metally, 1960, Nr 5, pp 26-31 (USSR)

ABSTRACT: The old design of three phase electric furnaces tilting towards the slag and metal notches (2250 kVA) for reducing smelting of nickel oxide into anode metal is outlined and their operating data for the period 1951 to 1958 are given (see Table). In 1959 after initial testing the top of the furnaces was redesigned, namely a screened water cooled roof (made from three sections) with a central opening for continuous charging with a screw conveyor (Figs 1 and 2), three openings for electrodes (dipped into slag) and a side outlet for gases was introduced. The roof was lined with a 50 to 60 mm thick layer of heat resistant mass fixed on a metallic net. In the first few heats the roof lining was covered with a layer of raw nickel 50 to 70 mm thick. The formation of such protective layer was later introduced as a standard practice. For this purpose, a highly oxidised boiling

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E071/E235

An Improvement in Reducing Electrosmelting of Nickel Oxide Into
Anode Metal

metal is specially produced which lead to the spraying of metal and condensation of metal drops on the roof. The service life of the old type roof was 20 heats, the new roof life increased at first to 300 and at present to 500 heats. The redesign of the furnace roof permitted recovery of furnace gases, their cleaning from dust and utilisation of heat (no details given). Operation of the furnaces with an increased power up to 800 kVA per sq m, of the furnace bottom was tested with satisfactory results. The changes in the temperature, amount and composition of gases during a single heat lasting 6 hours are plotted in Fig 3; the dependence of the specific power consumption on the weight of a heat is plotted in Fig 4; the dependence of the furnace characteristics at 225V on the current is plotted in Fig 5; the dependence of the depth of dipping electrodes into slag on voltage at 6500A is plotted in Fig 6. The investigation of the operation of the redesigned furnace was made by Engineer, V. G. Suprunenko,

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An Improvement in Reducing Electrosmelting of Nickel Oxide Into
Anode Metal

from Promenergo on the request of the combine. There
are 6 figures and 1 table.

ASSOCIATION: Kombinat "Severonikel'" ("Severonikel'" Combine)

Card 3/3

KRYSENKO, N.S.; POZNYAKOV, V.Ya.; GAZARYAN, L.M.; ZADOV, Ye.B.;
KADYRZHANOV, K.K.; KUZ'MIN, A.V.; TROITSKIY, A.V.; LEZGINTSEV, G.M.;
MITROFANOV, S.I.; SOLOV'YEV, V.Ya.; SOBOLOV, S.I.; MYAGKOVA, T.M.;
GAYLIT, A.A.; GENIN, N.N.; GRATSEERSHTEYN, I.M.; SKORNIYAKOV, Yu.T.,
referent

Fourth plenum of the central administration of the Scientific
Technological Society for Nonferrous Metallurgy. TSvet. met.
38 no.5:90 My '65. (MIRA 18:6)

1. Chlen TSentral'nogo pravleniya Nauchno-tekhnicheskogo obshchestva
tsvetnoy metallurgii i zavod "Ukrts'ink" (for Krysenko).
2. Chlen
TSentral'nogo pravleniya Nauchno-tekhnicheskogo obshchestva tsvetnoy
metallurgii i "Severonikel'" (for Poznyakov).
3. Institut metallur-
gii im. Baykova (for Gazaryan).
4. Predsedatel' soveta Nauchno-
tekhnicheskogo obshchestva Kol'chuginskogo zavoda OTsM (for ZadoV).
5. Chlen TSentral'nogo pravleniya Nauchno-tekhnicheskogo obshchestva
tsvetnoy metallurgii, Sovet narodnogo khozyaystva Kazakhskoy SSR
(for Kadyrzhanov).
6. Predsedatel' gorno-geologicheskoy seksii
TSentral'nogo pravleniya Nauchno-tekhnicheskogo obshchestva tsvetnoy
metallurgii; Gosudarstvennyy komitet Soveta Ministrov RSFSR po
koordinatsii nauchno-issledovatel'skikh rabot (for Kuz'min).
7. Chlen TSentral'nogo pravleniya Nauchno-tekhnicheskogo obshchestva

(Continued on next card)

KRYSENKO, N.S.--- (continued) Card 2.

tsvetnoy metallurgii, Sovet narodnogo khozyaystva SSSR (for Troitskiy). 8. Gosudarstvennyy institut po proyektirovaniyu predpriyatiy tsvetnoy metallurgii (for Lezgintsev). 9. Gosudarstvennyy nauchno-issledovatel'skiy institut tsvetnykh metallov (for Mitrofanov, Sobol', Genin). 10. Gosudarstvennyy nauchno-issledovatel'skiy i projektnyy institut splavov i obrabotki tsvetnykh metallov (for Sclov'yev). 11. Vsesoyuznyy nauchno-issledovatel'skiy i projektnyy institut mekhanicheskoy obrabotki poleznykh iskopayemykh (for Myagkova). 12. Gosudarstvennyy institut po proyektirovaniyu predpriyatiy tsvetnoy metallurgii (for Gaylit).

5(1)

AUTHORS:

Burlachenko, I. I., Kulik, A. A.,
Poznyakova, T. M., Il'yasov, A. I.

304/64-58-8-10/19

TITLE:

Exchange of Experience .. Experience in Using Liquid Nitrogenous
Fertilizers (Obmen opytom. Opyt primeneniya zhidkikh
azotnykh udobreniy)

PERIODICAL:

Khimicheskaya promyshlennost', 1958, Nr 8,
pp 492 - 494 (USSR)

ABSTRACT:

In several Republics of the USSR, as in Uzbekistan and
Kazakhstan, tests were started in the spring of 1956 on
the use of liquid fertilizers. The UzSSR and KazSSR intended
to use liquid ammonia and the ammoniate "A" (NH_4NO_3)
64-67%, NH_3 14 - 17%, H_2O 16 - 22%, N_2 total 34-37% on
cotton plantations of an area of 5000 hectares. The Kombinat
referred to in the Association was responsible both for
the production and the technical aspects of the transportation
of the liquid nitrogenous fertilizer. Ammonia tanks ATs-150
(on the chassis of the truck ZIS-150 with 2 cu.m.capacity,

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Exchange of Experience - Experience in Using
Nitrogenous Fertilizers

Liquid

SOV/64-98-8-10/19

1350 kg ammonia, weight 1300 kg, 20 atmospheres) and the mobile tank ATsA-63 (on the chassis of a GAZ-63 truck; 2 cu. m., 2 t ammoniate, 2 atmospheres) were used, the latter for ammoniate. Both types showed a few shortcomings. The spraying of ammoniate was done by a Soviet machine PUA-1 and imported American machines. The former proved to be more efficient, though the tanks were too small. The results of tests conducted to establish the amount of energy needed for distributing liquid fertilizer (Table 1) and the effects of fertilizing (Table 2) are given in the article. Apart from the savings in the number of workers effected by the use of liquid fertilizers instead of ammonium nitrate (0.2 - 0.3 workers per day instead of 0.7), a further saving of 40 roubles per hectare is possible, as was found by the Ministerstvo sel'skogo khozyaystva respublik (Ministry of Agriculture of the Republic). The cost price of 1 kg of nitrogen in the form of ammonia is 35% lower than with ammonium nitrate. According to the GIAP, capital investment for the construction of a 100000 t annual capacity ammonia plant is 100-110 million rubl. lower than for a similar

Card 2/3

Exchange of Experience -- Experience in Using Liquid
Nitrogenous Fertilizers

SW/64-11-0-10/10

ammonium nitrate manufacturing plant. In 1957 experiments with liquid fertilizers were expanded considerably; gasoline tanks ATs-3000 were used for transporting ammonia and ammoniate. Moreover, the American machines mentioned above were modified. There are 3 tables.

ASSOCIATION: Chirchikskiy elektrokhimicheskiy kombinat im. I. V. Stalina
(Chirchik Electro-Chemical Kombinat imeni I. V. Stalin)

Card 5/3

ARTAMONOV, Mikhail Dmitriyevich; MIKHAYLOVSKIY, Yuriy Vsevolodovich;
POZNYAKOV, V.P., inzhener, retsensent; GATSKEVICH, V.A., inzhener,
retsensent; SOLOV'YEV, N.S., redaktor; PITERMAN, M.L., redaktor;
KOLESHNIKOVA, A.P., tekhnicheskii redaktor; VOLKHOVER, R.S.,
tekhnicheskii redaktor

[Mechanical traction for lumber transportation roads] Mekhanicheskaya
tiaga lesovoznykh dorog. Moskva, Goslesbumizdat, 1954. 406 p.
(Lumbering--Transportation) (Transportation) (MIRA 8:4)

L 24728-66

ACC NR: AP6005400

(A)

SOURCE CODE: UR/0323/65/000/005/0003/0009

9
6

AUTHOR: Poznyakov, Yu. I. (Engineer); Yesin, V. A. (Candidate of technical sciences);
Ovchinnikov, S. I. (Candidate of technical sciences); Chertkov, B. S. (Engineer)

ORG: [Pozdnyakov; Yesin] Moscow Technological Institute of Light Industry (Moskovskiy
tekhnologicheskii institut legkoy promyshlennosti); [Ovchinnikov] All-Union correspon-
dence Institute of Textiles and Light Industry (Vsesoyuznyy institut tekstil'noy i
legkoy promyshlennosti); [Chertkov] Lvov Company "Progress" (L'vovskaya firma
"Progress")

TITLE: Organizational and technical development of footwear production and industrial
structure of a factory

SOURCE: IVUZ. Tekhnologiya legkoy promyshlennosti, no. 5, 1965, 3-9

TOPIC TAGS: industrial production, industrial plant, footwear

ABSTRACT: This article deals with the structure and production of a footwear factory.
The production structure of a footwear factory must be at the level of organizational
and technical development of production. Reorganization of the production structure
of footwear factories must be carried out on the level of the improvement of technical
procedures, technology, and organization of production. [WT]

SUB CODE: 11/ SUBM DATE: 16Apr65/ ORIG REF: 007/

Card 1/17115

2

Poznyakova, E. M.

5000

✓ Additional Heat Treatment of Structural Steel. Z. M. Kalinina, R. P. Kuchinskaya, and E. M. Poznyakova. (Sov. Metal, 1953, (3), 164-167). [In Russian]. The results are analysed of experiments on the use of supplementary heat-treatment for improving the mechanical properties of alloy constructional steels under mass-production conditions in metallurgical works.—S. K.

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of LFH

MAKSIMOV, Ivan Georgiyevich; POZNYAKOVA, Galina Yur'yevna; ANDREYEVA,
L.S., red.; LAVRENOVA, N.B., tekhn. red.

[Workdays in a large port] Budni bol'shogo porta. Moskva, Izd-
vo "Morskoi transport," 1961. 38 p. (MIRA 14:12)
(Leningrad—Harbor) (Cargo handling)

SNISARENKO, L.I.; CHIVIR'OV, O.M. [Chyvyr'ov, O.M.]; POZNYAKOVA, L.Ye.
[Pozniakova, L.IE.]; SHUSTOVA, V.P.

Sanitary and hygienic work conditions in the tin can shops
of canned food enterprises. Khar. prom. no.4:34-36 O-D '65.
(MIRA 18:12)

POZDNYAKOVA, T.D.; YAKUNINA, T.G.

Use of silicotungstates for the quantitative determination of
codeine. Med.prom. 13 no.6:35-40 Je '59. (MIRA 12:8)

1. Dnepropetrovskiy meditsinskiy i Pyatigorskiy farmatsevti-
cheskiy institut.
(SILICOTUNGSTATES) (CODEINE)

BURLACHENKO, I.I.; KULIK, A.A.; POZNYAKOVA, T.M.; IL'YASOV, A.I.

Experience with liquid nitrogen fertilizers. Khim.prom.
no.8:492-494 D '58. (MIRA 12:1)

1. Chirchikskiy elektrokhimicheskiy kombinat im. I.V.Stalina.
(Ammonia) (Fertilizers and manures)

KALININA, Z.M., inzhener; KOLYASNIKOVA, R.I., inzhener; POZNYAKOVA, Ye.M.,
inzhener.

Supplementary heat treatment of structural steel. Stal' 15 no.2:164--
167 P '55. (MIRA 8:5)

1. Zlarcoustovskiy metallurgicheskiy zavod.
(Steel, Structural--Heat treatment)

TIKHOMIROV, G.K.; LILIN, Yurya.; POZYVAYEV, A.D.; KILIMSKY, N.A.

Experiment in the application of information theory to the
analysis of the solution of mental problems of man. Vop.
psikhol. no.4:21-35 Sl-Ag '64.

(MIRA 17:11)

IVANOVA, T.A., starshiy inzh.; POZNYANSKAYA, S.P., inzh.

Fabrics made of blended cotton and synthetic fibers. Tekst.prom.
22 no.3:18-19 Mr '62. (MIRA 15:3)

1. Vsesoyuznyy institut assortimenta legkoy promyshlennosti i
kul'tury odezhdy. (Textile fabrics)

DIDKOVSKIY, M.M. [Didkovs'kyi, M.M.]; POZNYAYA, N.G. [Pozniaya, N.H.]

Experimental study of the tangential stress along the bottom
in a section where the stream widens. Dop. AN URSR no.6:
739-743 '63 (MIRA 17:7)

1. Institut gidrologii i gidrotekhniki AN UkrSSR. Predstavleno
akademikom AN UkrSSR G.I. Sukhomelom [Sukhomel, H.I.].

DIDKOVSKIY, M.M. [Didkovs'kyi, M.M.]; POZNYAYA, N.G. [Pozniata, N.M.]

Distribution of tangential stress along the bottom on a section
of a widening of a stream. Visti Inst. hidrol. i hidr. AN URSR
23:15-20 '63. (MIRA 17:12)

POZNYAYA, N.G. [Pozniaya, N.H.] (Kiyev); YEGIDIS, B.M. [IEnidis, B.M.],
(kiyev)

Investigating turbulent characteristics of a flow under natural
conditions. Prikl. mekh. 10 no.2:216-221 '64. (MIRA 17:7)

1. Institut gidrologii i gidrotekhniki AN UkrSSR.

DIDKOVSKIY, M.M.[Didkovs'kiy, M.M.]; POZNYAYA, N.G.[Pozniaya, N.H.]

Studying the resistance of the surface of separation [with summary
in English]. Dop.AN URSR no.3:311-315 '61. (MIRA 14:3)

1. Institut gidrologii i gidrotekhniki AN USSR. Predstavleno
akademikom AN USSR G.I.Sukhomelom [Sukhomel, H.I.].
(Hydraulics)

POZNYAYA, N.G. [Pozniaya, N.H.]

Capacity of a circular tubular water outlet. Dop. AN URSS
no.12:1580-1583 '62. (MIRA 16:2)

1. Institut gidrologii i gidrotekhniki AN UkrSSR. Predstavleno
akademikom AN UkrSSR G.I. Sukhomelom [Sukhomel, H.I.].
(Hydraulics)

POZNYAYA, N.G. [Pozniaya, N.H.]

Method for computing the widening of a stream with asymmetrical
whirlpools. Dop.AN URSS no.6:746-750 '60. (MIRA 13:7)

1. Institut gidrologii i gidrotekhniki AN USSR. Predstavleno
akademikom AN USSR G.I.Sukhomelom [H.I.Sukhomelom].
(Stream measurements)

S/124/62/000/005/028/048
D251/D308

AUTHORS: Didkovskiy, M.M., Yegidis, B.M., and Poznyaya, N.G.

TITLE: A sensor for simultaneous measurement of two components of instantaneous velocity

PERIODICAL: Referativnyy zhurnal. Mekhanika, no. 5, 1962, 133, abstract 5B866 (V sb. novyye metody izmereniy i pribore dlya gidravlich issled., M. AN SSSR, 75 - 79)

TEXT: The miniature sensor consists of a small sphere fixed on a spring which consists of two mutually perpendicular springs attached one to the other. Thus the sphere has two degrees of freedom (in both planes). The magnitude of its displacement is measured with the aid of a tenso-sensor fixed to each of the springs. An example of the calibration is given. 7 references. [Abstractor's note: Complete translation].

Card 1/1

POZNYAYA, N.G.

Experimental study of scouring currents in a stream of rectangular
cross section. Izv. Inst. gidrol. i gidr. AN URSR 15:60-66 '59.

(MIRA 12:9)

(Hydrodynamics)

SOV/112-57-9-18507D

Translation from: Referativnyy zhurnal, Elektrotehnika, 1957, Nr 9, p 58 (USSR)

AUTHOR: Poznyaya, N. G.

TITLE: Experimental Investigation of an Erratic Flow in a Lower Pool Past the
Openings Without Sill (Eksperimental'noye issledovaniye sboynogo techeniya
v nizhnem b'yefe za otverstiyami bez poroga)

ABSTRACT: Bibliographic entry on the author's dissertation for the degree of
Candidate of Technical Sciences, presented to Kiyevsk. avtomob.-dor. in-t
(Kiyev Automobile and Highway Institute), Kiyev, 1956.

ASSOCIATION: Kiyevsk. avtomob.-dor. in-t (Kiyev Automobile and Highway
Institute)

Card 1/1

FLEROVA, O.V., kand. geol.-mineral. nauk, red.; BAKIROV, A.A., red.; VEBER, V.V., red.; DANOV, A.V., red.; DIKENSHTAYN, G.Kh., red.; MAKSIMOV, S.P., red.; POZNYSH, M.A., red.; SAIDOV, M.N., red.; SEMIKHATOVA, S.V., red.; TURKEL'TAUB, N.M., red.; KHALTURIN, D.S., red.; SHARAYEVA, Ye.A., red.; ZARETSKAYA, A.I., vedushchiy red.; FEDOTOVA, I.G., tekhn. red.

[Mesozoic and Tertiary deposits of the central provinces of the Russian Platform] Mezozoiskie i tretichnye otlozheniya tsentral'nykh oblastei Russkoi platformy. Pod red. O.V. Flerovoi. Moskva, Gos. nauchno-tekhn. izd-vo nef. i gorno-toplivnoi lit-ry, 1958. (MIRA 11:10)
291 p.

1. Moscow. Vsesoiuznyy nauchno-issledovatel'skiy geologo-razvedochnyy neftyanoy institut.
(Russian Platform—Geology, Stratigraphic)

KODZHEYKOV, Dragoy; KHADZHINIKOLOV, Veselin; YOTSOV, Yaronlav; DIDENKO, B.F.[translator]; POZOLOTIN, M., red.; LARICHEV, V.I., red.; RAKOV, S.I., tekhn.red.

[Labor and trade union movement in Bulgaria] Rabochee i prof-soluznoe dvizhenie v Bolgarii. Pod red. M.Pozolotina. Moskva, Izd-vo VTsSPS Profizdat, 1959. 310 p. Translated from the Bulgarian.
(Bulgaria--Labor and laboring classes) (MIRA 13:4)
(Bulgaria--Trade unions)

POZOREK, G.K.; FAYNGOL'D, E.P.

Reader's response to the article by M.A. Vagoichenkov, and V.N. Disdyk "Certificate for boring and blasting operations in mines"; "Ugol'", 1962, No.12. Ugol' 38 no.8:62 Ag '63.

(MIRA 17:11)

1. Proizvodstvenno-eksperimental'noye upravleniye burovzryvnykh rabot Donetskogo soveta narodnogo khozyaystva.

L 27530-66 EWT(m)

ACC NR: AP6012242

SOURCE CODE: UR/0205/65/005/006/0809/0811

AUTHOR: Pozolotin, A. A.

ORG: Institute of Biology, Ural Branch, AN SSSR, Sverdlovsk (Institut biologii Ural'skogo filiala AN SSSR)

TITLE: Effect of an impulsed magnetic field on the cytogenetic effect of irradiation 19

SOURCE: Radiobiologiya, v. 5, no. 6, 1965, 809-811

TOPIC TAGS: cytology, genetics, radiation biologic effect, biologic metabolism, radiobiology, magnetic field

ABSTRACT: Earlier work on the cytogenetic effects of irradiation as affected by a magnetic field was continued using a higher intensity impulsed magnetic field. Irradiated plants were subjected to a field of 200,000 oersteds with a frequency of 3000 cycles/sec. The magnetic fields had no effect on unirradiated plants but increased the effects of irradiation by increasing the percent of anaphases with chromosome aberrations. However the average number of chromosome aberrations per cell was not increased. Apparently the magnetic field inhibits cell restoration after chromosomes are initially damaged by radiation.

Card 1/2

UDC: 575:577.391

L 27530-66

ACC NR: AP6012242

Further work is required to explain the mechanisms of the reaction.
Orig. art. has: 3 tables.

SUB CODE: 06/ SUBM DATE: 27Mar64/ ORIG REF: 002

Card 2/2

B.L.G.

POZOLOTIN, V.V.

Effect of summer pinching on fruiting in some apple varieties under
conditions prevailing in Tomsk. *Biul.Sib.bot.sada* no.5:27-28 '58.
(MIRA 12:11)

1. Tomskoye gorodskoye Obshchestvo mikhurintsev.
(Tomsk Province--Apple)

M

Country : USSR
 Category : CULTIVATED PLANTS FRUITS. Berries.
 Abstr. Jour. : REF ZHUR-BIOL. 21, 1958, NO-96124
 Author : Rozolotin, Z.V.
 Institution : Tomska State Univ. (Tomsk Univ.)
 Title : The Effect of Summer Pinching on the Fruit Bearing of Several Apple Varieties in Tomska.
 Orig. Pub. : Byul. Sibirsk. botan. sada (Tomskiy un-t), 1958, vyp. 5, 27-28
 Abstract : June pinching of one year old shoots of Bel'fleur-Kitayka and Papiin Sheftanovskiy apple varieties which had reached 15 cm in length accelerated the setting of fruit buds and boosted the yield. Ship and Iudovskikh varieties did not react to pinching.--

Card: 1/1

POZORIN, A.I., inzh.; TROFIMOV, I., kranovshchik; P'YANYKH, N.T., inzh.;
BURDAKOV, D.

Readers' letters. Bezop.truda v prom. 4 no.2:34 F '60.
(MIRA 13:5)

1. Otdel glavnogo mekhanika po karnovomu oborudovaniyu
kombinata Severonikel' (for Pozorin). 2. Domostroitel'nyy
kombinat, Rostov-na-Donu (for Trofimov Consultations. 3. Nachal'-
nik tekhnicheskogo otdela Upravleniya chernoy metallurgii
Sverdlovskogo sovnarkhoza (for Burdakov).
(Industrial safety)

CHILMANOWA, Wanda; POYORSKA, Danuta

A case of torulosis of the central nervous system in a child with malignant granuloma and nephrotic syndrome. *Pediat. Pol.* 40 no.10:1099-1104 O 165.

1. Z II Kliniki Pediatricznej Pomorskiej AM w Szczecinie (Kierownik: doc. dr. med. A. Marks-Zakrzewska) i z Zakładu Anatomii Patologicznej Pomorskiej AM w Szczecinie (Kierownik: prof. dr. med. K. Stojalowski).

POZOV, M.

Reinforced drills with sectional rods. . Suggested by M. Pozov.
Rats. predl. no. 43:9⁵⁹. (MIRA 14:1)
(Rock drills)

POZOVSKIY, I.S.

Homomorphisms of commutative semigroups. Dokl. AN SSSR 135 no.5:
1058-1060 D '60. (MIRA 13:12)

1. Predstavleno akademikom A.I. Mal'tsevym.
(Groups, Theory of)

POZOYSKIY, S.

Organizers of human happiness. Zdrav.Ros.Fed. 3 no.10:7-9 0 '59.
(MIRA 13:1)

1. Zaveduyushchiy otделom kul'tury tul'skoy gazety "Kommunar."
(TULA PROVINCE--PUBLIC HEALTH)

POZSAR, B.I.

The nitrogen metabolism of the pollen tube and its function in
fertilization. Acta bot Hung 6 no.3/4:389-395 '60. (EEAI 10:6)

1. Agricultural Research Institute, Iregszemcse.
(Nitrogen) (Fertilization of plants) (Pollen)

POZSAR B.I.

HUNGARY/Physiology of Plants - Photosynthesis.

I-1

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10355

Author : Pozsar, B.I.

Inst : Academy of Sciences , Hungary.

Title : Denucleination of Abutilon Chloroplasts Under the Influence of a Virus.

Orig Pub : Acta biol. acad. sci. Hung., 1957, 7, No 2-3, 337-342.

Abstract : Chloroplasts both of normal kanarnik (Abutilon) plants and of ones which had been injured by a mosaic virus were isolated by Granik's method, and the fluorescence as well as the RNK and DNK content were determined histochemically and biochemically. The RNK content decreased doubly in the damaged chloroplasts while that of DNK did not change. Under action of the virus the RNK/DNK ratio decreased from 5.3 to 2.3. It is the author's opinion that the free

Card 1/2

HUNGARY/Physiology of Plants - Photosynthesis.

I-1

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10355

amino-acids, which are liberated in the breakdown of the plant albumins, are utilized in the synthesis of the virus albumins. The role of DNK in this process has not yet been finally clarified. The processes of denucleination are accompanied by disappearance of the normal fluorescence; this is evidence of the loss of photochemical activity in the chloroplasts. It is still unclear whether or not the changes produced by the mosaic virus are reversible.

Bibliography of 23 titles.

Card 2/2

HUNGARY / General Biology. Cytology. Plant Cytology.

B

Abs Jour : Ref Zhur - Biologiya, No 4, 1959, No. 14303

accumulate carotene and are vacuolated in a very characteristic manner; at the same time a mobilization of starch is observed to take place. The authors maintain that the enumerated properties are not the results of necrotic changes, since the vacuolation of the latter is not determined by its shape and size and is not connected with the mobilization of starch. There also exist plasmolytic differences between these two vacuolation types.

Card 2/2

12

POZSAR, Jozsef, dr.; SARDY, Istvan, dr.

Congenital extrahepatic icterus as a result of a developmental disorder. Gyermekgyógyászat 15 no.2:60-64 F'64.

1. Marcali Járasi Tanács korháza (igazgató: Viczian, Antal, dr., az orvostudományok kandidátusa) Gyermekosztálynak közleménye.

*

POZSGAI, Vilmos, dr., a muszaki tudományok kandidátusa; BALAZS, Endre,
dr., a muszaki tudományok kandidátusa.

Subhalogenide distillation for preparing pure aluminum. Koh
lap 97 no.4:179-195 Ap'64.

PC 250 7/11

Distr: 4E3d

621.385.832 : 638.371.07

6500. INFLUENCE OF BINDERS UPON THE SURFACE
BRIGHTNESS OF CATHODE-RAY TUBE SCREENS. II.

I. Hango and G. Pongay.

Acta Tech. Hungar., Vol. 20, No. 1-2, 129-36 (1958).

Continuing previous work (see Abstr. 3170/1958), the loss of brightness has been studied for willemite screens settled in potassium silicate with Ca, Sr or Ba nitrate as coagulant. Curves show the brightness to decrease with increasing coagulant concentration, and the more so for lower accelerating voltage. Brightness decreases less if K_2 , the ratio of silica to potash in the binder, is increased. When this ratio is low the Sr and Ba salts are much more effective than the Ca in decreasing the brightness; but when K_2 is high all three coagulants behave similarly.

J. T. Henderson

POZSGAY Gy.

82. Influence of binders on the surface brightness of cathode-ray tube screens. III. J. Hango, J. Toporcsak, Gy. Pozsgay. *A Távközlési Kutató Intézet Közleményei*. (Research Institute for Telecommunication), Vol. 3, 1958, No. 1, pp. 127-138, 4 figs., 3 tabs.

The correlation between the decrease of the surface brightness of cathode-ray tube screens prepared by settling with strontium nitrate as coagulator, and the thickness and strontium contents of binders adsorbed on the crystal phosphor grains were studied. The strontium in the layer was determined by the radioactive tracer method and the thickness of the binder layer from the retardation of the cathode rays. The measurements were carried out on Zn_2SiO_4 -Mn and ZnS -Ag phosphors. According to the experimental results, the decrease of surface brightness depends partly on the thickness of the layer and partly on its composition. With the increase of the strontium nitrate concentration of the settling liquid at a given SiO_2 content the thickness of the binder adsorbed on the grains also increases as well as its strontium concentration. The strontium content of the layer however decreases with the increasing SiO_2 concentration of the settling liquid and with the molar composition of the applied water-glass. The properties of the phosphor also exercise an influence on the absorbed binder.

HANGOS, I.; TOPERCZER, H.; POZSGAY, Gy.

Influence of binders upon the ~~surface~~ brightness of cathode-ray tube screens. III. The role of the coagulator. Acta techn Hung 29 no.1/2: 47-55 '60. (EEAI 10:4)

1. Research Laboratories for Telecommunication, Budapest.
(Cathode-ray tubes) (Coagulants)
(Binding materials)

36 31. Influence of binders on the surface brightness of cathode-ray tube screens. H. I. HONNAN, (Y. Pozsgay, A. Tóth, Kócsi, Kutató Intézet Kutatmányai, (Research Institute for Telecommunication), Vol. 3, 1958, No. 1, pp. 117-120, 8 figs.

The question of the surface brightness of cathode-ray tube screens prepared by alkaline-earth metal coagulants is discussed. For the characterization of the water-glass a K_g parameter was introduced where $K_g = \frac{\text{SiO}_2 \text{ g/l}}{\text{KOH g/l}}$ Ca, Sr, and Ba ions were found to act in a similar manner and the smaller the acceleration voltage for a given phosphor, grain size distribution and screen thickness the greater the decrease of surface brightness. It is characteristic of all three coagulants that the surface brightness depends only upon the coagulant concentration and reduces linearly after a certain concentration limit. The smaller the value of K_g the greater the decrease of surface brightness. At the same acceleration voltage and electrolyte concentration the retarding effect increases in the following sequence: Ca-Sr-Ba or Ca-Ba-Sr.

POZSGAY, Gy

Spectrochemical examination of the surface binding films of microcrystalline zinc sulfide layers. Lajos Vecsernyés and György Pozsgay (Tavkolcsi Kutató Intézet, Budapest, Hung.). *Műgyár, Kém. Lapja* 13, 411-2 (1958).—A binding material contg. K, alk. earths, and Si is mixed with the microcryst. ZnS-Ag used to coat television tubes. To det. the concn. of Ca, Sr, Ba, Si, or K, standard powders contg. a known concn. of one or more of these elements were made up and the spectra compared. The data are given graphically.

Dist: HE2c

POZSGAI, Vilmos, dr.

Problems of manufacturing semiconducting materials in Hungary.
Musz elet 17 no.20:5 27 S '62.

1. Femipari Kutato Intezet.

POZSONYI, F.

New inventions in our pharmaceutical industry.

P. 8 (UJITOK LAPJA) Budapest, Hungary Vol. 9, No. 12, July 1957.

SO: Monthly Index of East European Accessions (AEEI) Vol. 6, No. 11 November 1957.

POZSONYI, Gabor, dr

"Handbook on cinema operations" by Istvan Vajda. Reviewed by
Dr. Gabor Pozsonyi. Kep hang 8 no.3:96 Je '62.

3. "Kep- es Hangtechnika " szerkeszto bizottsagi tagja.

Pozsonyi, Gabor

HUNGARY/Optics - Photography

K-13

Abs Jour : Ref Zhur - Fizika, No 7, 1958, No 17065

Author : Pozsonyi Gabor

Inst : Not Given

Title : Panoramic Motion Pictures

Orig Pub : Kep-es hangtechn., 1957, 3, No 4, 85

Abstract : Remarks on the modern status and plans for the development
of wide-screen motion picture in Hungary.

Card : 1/1

54

POZSONYI, Gabor, dr.; MORVAY, Gyorgy

A Hungarian study trip to Berlin (German Democratic Republic).
Kep hang 5 no.1:24-25 F '59.

1. "Kep- es Hangtechnika" szerkeszto bizottsagi tagjai.

EXCERPTA MEDICA Sec.9 Vol.11/5 Surgery May 1957
POZSONYI J.

2238. (494) POZSONYI J. and WOHL V. Staatl. Kindersanat., Budapest. *Liquor-
Untersuchungen bei tuberkulöser Spondylitis im Kindesalter. Examina-
tion of the CSF in children with tb spondylitis SCHWEIZ.
Z. TUBERK. 1956, 13/3 (201-209) Graphs 8

A statistical analysis of the CSF changes of 166 patients. Most frequent localiza-
tion: lower thoracic and upper lumbar vertebrae. Paraparesis and paraplegia
occurred in 43% of all cases; neurological manifestations were relatively most
frequent in cases with cervical and upper thoracic spondylitis. The CSF changes
were correlated to the clinical findings. Normal CSF and normal NS was found
in 62 patients, normal CSF and pathological NS in 21 patients, abnormal CSF
and normal NS in 35 patients, abnormal CSF and pathological NS in 48 patients.
But control investigation over several years proved this relation to be inconstant.
In singular cases the CSF changes may disappear and reappear independently
from the neurological findings. The finding of an increased CSF protein depends
on the presence of occlusion of the vertebral canal.

Zellweger - Beirut (XX, 15, 7, 8, 9)

POZSONYI, Jozsef, Dr.; VERMES, Eva, Dr.

Osteoarticular tuberculosis in children cured by free motion.
Tuberkulozis 10 no.7-9:153-156 July-Sept 57.

1. A Szabadsaghegyi Allami Gyermekszanatorium (igazgato: prof.
Gorgenyi Oszkar, dr.) Extrapulmonalis Osztalyanak kozlemenye.
(TUBERCULOSIS, OSTEOARTICULAR, in inf. & child
ther., conservative, resulting in unobstructed motion (Hun))

EXCERPTA MEDICA Sec 9 Vol 13/2 Surgery Feb 59

757. (205) BONE AND JOINT TB HEALED WITH FREE MOVEMENT - Szabad-
mozgással gyógyított gyermekkori csont-izületi gümőkór - Pozsonyi J.
and Vermes É. - TUBERK. KÉRD. (Budapest) 1957, 10/7-8-9 (153-156)
Illus. 12

Several cases of bone and joint tb in which good final functional results were
brought about by synovectomy, the excochleation of extra-articular focuses and a
proper treatment with antibiotics are demonstrated. Even a removal of intra-
articular focuses may heal with free motility if a sustained functional treatment
supports the regenerating power of children.

Horváth - Budapest (IX,15,19)

POZSONYI, G.

"A Study trip in Berlin(German Democratic Republic). p. 24

KEP ES HANGTECHNIKA. (Optikai es Kinotechnikai Tudomanyos Egyesulet)
Budapest, Hungary, Vol. 5, No. 1. Feb. 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 6, June 1959
Uncl.

POZSONYI, G.

"The practice of projecting on wide screens." p. 58

KEP EST HANGTECHNIKA. (Optikai es Kinotechnikai Tudomanyos Egyesulet)
Budapest, Hungary, Vol. 5, No. 2, Apr. 1959

Monthly List of East European Accessions LC, VOL. 8, No. 6, June 1959
Uncl.

POZSONYI, Sandor

Problems and perspectives of Ozi. Borsod szemle 8 no.4:1-8 '64.

POZSONYI, Zoltan, dr.

"Traditions in our folk architecture" by Janos Toth. Reviewed
by Dr.Zoltan Pozsonyi. Epites szomle 5 no.7:3 of cover '61.

POZSONYI, Zoltan, dr.

"Traditions of our folk architecture" by Janos Toth. Reviewed by
Dr. Zoltan Pozsonyi. Epites szemle 6 no.4:3 of cover '62

POZSONYI, Zoltan, dr.

"Traditions of our folk architecture" by Janos Toth. Reviewed by
Dr. Zoltan Pozsonyi. Epites szemle 6 no.1:3 of cover '62.

(Hungary—Architecture) (Toth, Janos)

FILIPPOVA, Mariya Filippovna, kand.geol.-miner.nauk; ARONOVA, S.M.; AFREMOVA, M.F.; GALAKTIONOVA, N.M.; GASSANOVA, I.G.; GIMPELEVICH, E.D.; KARASEV, H.S.; LYASHENKO, A.I.; MAYZEL', Z.L.; RATEYEV, M.A.; SOKOLOVA, L.I.; SOLOV'YEVA, N.S.; KHANIN, A.A.; SHISHENINA, Ye.P.; SHNEYDER, N.P.; BAKIROV, A.A., red.; VEBER, V.V., red.; DANOV, A.V., red.; DIKEN-SHTEYN, G.Kh., red.; MAKSIMOV, S.P., red.; POZNYSH, M.A., red.; SAIDOV, M.N., red.; SEMIKHATOVA, S.V., red.; TURKEL'TAUB, N.M., red.; UL'YANOV, A.V., red. [deceased]; KHALTURIN, D.S., red.; SHABAYEVA, Ye.A., red.; RAZINA, G.M., vedushchiy red.; GENNIAD'YEVA, I.M., tekhn. red.

[Devonian deposits in the central provinces of the Russian Platform]
Devonskie otlozheniia tsentral'nykh oblastei Russkoi platformy.
Pod red. M.F.Filippovoi. Leningrad, Gos. nauchno-tekhn.izd-vo nef.
i gorno-toplivnoi lit-ry, 1958. 404 p. (MIRA 11:4)
(Russian Platform--Geology, Stratigraphic)

POZNYSH, M.A.

IL'INA, N.S., kand.geologo-mineralog.nauk; YELINA, L.M.; RYZHOVA, A.A.;
 BUZINOVA, V.M.; DMITRIYEVA, L.Ya.; GIMPELEVICH, E.D.; GALAKTIONOVA,
 N.M.; IL'INSKAYA, V.V.; SOLOV'YEVA, N.S.; KARASEV, M.S.; BAKIROV, A.A.,
 red.; VEGER, V.V., red.; DANOV, A.V., red.; DIKENSHEYN, G.Kh., red.;
 MAKSIMOV, S.P., red.; POZNYSH, M.A., red.; SAIDOV, M.N., red.;
 SEMIKHATOVA, S.V., red.; TURKEL'TAUB, N.M., red.; UL'YANOV, A.V., red.
 [deceased]; KHALTURIN, D.S., red.; SHABAYEVA, Ye.V., red.; CHIZHOV,
 A.A., vedushchiy red.; YASHCHURZHINSKAYA, A.B., tekhn.red.

[Coal deposits of the central provinces of the Russian Platform]
 Kamennougol'nye otlozhenia tsentral'nykh oblastei Russkoi platformy.
 Pod red. N.S.II'inci. Leningrad, Gos.nauchno-tekhn.izd-vo neft. i
 gorno-toplivnoi lit-ry, 1958. 209 p. (MIRA 12:3)
 (Russian Platform--Coal geology)

POZNYSH, M.A.

YEGOROV, V.G., kandidat geolog-mineralogicheskikh nauk; UL'YANOV, A.V., professor, redaktor; TIKHONOVICH, N.N., professor, redaktor [deceased]; VEBER, V.V., professor, redaktor; FILIPPOVA, M.F., kandidat nauk, redaktor; LYASHENKO, A.I., kand. nauk, redaktor; POZNYSH, M.A., nauchnyy redaktor; MENNER, V.V., redaktor; MARKUS, M.G., vedushchiy redaktor; POLOSINA, A.S., tekhnicheskiiy redaktor

[Ostracoda of the Frasnian stage of the Russian platform] Ostrakody franskogo iarusa russoi platformy. Moskva, Gos. nauchno-tekhn. izd-vo neftianoi i gorno-toplivnoi lit-ry. Pt. 2. Bairdiidae, Hollinidae, Kirkbyidae. 1953. 135 p. [Microfilm] (MLRA 7:10)
(Ostracoda, Fossil)

POZNYSH, Ye. M.

Testing gun perforators. Razved. i prom. geofiz. no. 16:21-38 '56.
(Rock drills) (MLRA 10:8)

POZNYSHEV, V.V.

Mammulites of the northern slope of the Crimean Mountains. Izv. Kryn.
otd. Geog.ob-va. no.2:13-17 '53. (MLRA 8:7)
(Crimean Mountains--Mammulites)

POZNYSHV, V. V.

"Nummulites on the Northern Slope of the Crimean Mountains" (Stratigraphy and Paleontology, Paleogene) Izv. Krymskogo otd. Geogr. ob-va Soyuz SSSR, No 2, 1953, pp 13-17

Abs

W-31146, 1 Feb 55

POZOLOTIN, M.

Economic development in Bulgaria during the years of the
People's regime. Vop. ekon. no.8:75-81 Ag '59.

(MIRA 12:11)

(Bulgaria--Economic conditions)

1ST AND 2ND COLUMNS
 PROCESSES AND PROPERTIES INDEX
 3RD AND 4TH COLUMNS

COMMON ELEMENTS
 OPEN
 MATERIALS INDEX

B-14

Determination of lead in tin-plating metal.
 E. F. Pogorelec (Zavod. Lab., 1937, 6, 629-630).—
 Gapschenko's method (ibid., 1935, 4, 1014) is re-
 commended.
 R. T.

ASS-3.1A METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND COLUMNS
 3RD AND 4TH COLUMNS
 5TH AND 6TH COLUMNS

m

a

Determination of Lead in Alloys. E. P. Pozorski (*Zavod. Lab. (Works' Lab.)*, 1938, 8, (42), 1508-1510; (*Aim. et Ind.*, [938, 39, 485]).—[In Russian.] A volumetric and a gravimetric method are described, both using as reagent 0.1N sodium sulphite solution containing 1% saccharose to prevent oxidation. D. S.

ASH-36A METALLURGICAL LITERATURE CLASSIFICATION
SIGNO STABILITA

SIGNO BOMBYX
SIGNO CMC GNV 151

SIGNO MPT GNV GNC
SIGNO N V SA

SIGNO MPT GNV GNC
SIGNO N V SA

BC⁰

5-16

DETERMINATION OF LEAD IN ALLOYS. E. F. Pozoraki (Aved.
Lab., 1936, 5. 1508-1510).

Addition of sucrose to the aq. NaHSO_3 used in Gaptchneko
and Scheintsis' method (ibid., 1935, ⁴, 568) prevents
oxidation of SO_3 by atm. O_2 .

R.T.

27

Quantitative Determination of Lead in Tin Coatings. E. F. Pozorski
(Zavod. Lab. (Works' Lab.), 1937, 6, (5), 629-630). —[In Russian.] Pb is
quantitatively precipitated by addition of 10% Na_2SO_3 solution in the
presence of 1% of sucrose; the PbSO_4 is dissolved in 5% NaOH solution,
an excess of 0.0005N iodine added, and the excess of I_2 determined with
 $\text{Na}_2\text{S}_2\text{O}_3$ after acidification of the solution.—D. N. S.

ASTM S14 METALLURGICAL LITERATURE CLASSIFICATION

TECH. DIVISION

SECTION

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

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601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700

701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800

801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900

901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000

Iodometric determination of lead in tin plate. B. F. Pozorski. *Zastojkova Lab.* 6, 629 300 (1967), cf. C. A. 31, 20017. In the colorimetric determination of Pb in Sn coatings on Fe sheets with H₂S the results are affected by traces of Fe. This difficulty is eliminated by evapn. to dryness 0.3 g. of scrapings in 3 cc. of concd. HNO₃, dissolving the residue in 5 cc. H₂O, filtering from the metastannic acid, and detg. Pb in the filtrate iodometrically by the Gapschenko method (C. A. 30, 16859). Chav. Blanc

ASH 51.4 METALLURGICAL LITERATURE CLASSIFICATION

12

Determination of vitamin C. E. F. Pozorskil. Kon-
servnaya i Plodoconshechnaya Prom. 1937, No. 3, 33-4;
Chem. Zentr. 1938, I, 1686. — A 10-20 g. sample (tomatoes,
cucumbers, etc.) is ground with 10 cc. 2% H_2SO_4 and vig-
orously shaken in a 50-100 cc. flask. The mass is then
centrifuged 10 min. at 3000 r. p. m. To 15 cc. of the ext.
are added 5 cc. 20% Hg acetate, 2 cc. 10% Na_2SO_3 , and
3 cc. 10% H_2SO_4 , and the mixt. is centrifuged until the pro-
tein is sepd. To remove SO_2 a current of CO_2 , purified
over soda soln. and glass wool, is led into the clear soln.
until the nitroprusside reaction for SO_2 is neg. In a small
test tube 1-2 cc. of the ext. is titrated with 0.001 N di-
chlorophenolindophenol until a rose tint persisting 30 sec.
is obtained. W. A. Moore

ca

12

Refractometric method for the determination of dry substances in canned corn. R. P. Pogorski. *Konferentsiya Plodovoshchivaya Prom.* 1938, No. 4, 30-40. *Khim. Referat. Zhur.* 1, No. 11-12, 104-9 (1938). - By means of the refractometer dry substance was detd. in the juice obtained by grinding and pressing canned broken corn. The values are 2% lower than those obtained by drying. After this correction has been made the difference between the values obtained by the 2 methods does not exceed 0.01%. The method cannot be applied to fresh corn or to canned whole kernel. W. R. Heun

POZOV N V

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40 no.12:47 D '62. (MIRA 15:12)

1. Nachal'nik avtotransportnoy kontory No.4 tresta
"Gruzgidroenergostroy".
(Transportation, Automotive)
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Pozoyeva, N. G. "Experimental ovarian cysts of a follicular nature in seals", Tr. dy. Akad.
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BERMAN, Georgiy Nikolayevich [deceased]. Primali uchastiye: ARAMANOVICH, I.G.; KORDEMSKIY, B.A.; POZOYSKIY, R.I.; SHESTOPAL, M.G.; SOLODKOV, V.A., red.; AKHLAMOV, S.N., tekhn.red.

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(Mathematical analysis--Problems, exercises, etc.)

Pozsár, B.

HUNG

✓ Examination of chloroplasts surviving in the necrotic cytoplasm of *Elodea canadensis*; effect of manganous sulfate on the starch synthesis and mobilization of the plastids. N. Glimesi and B. Pozsár (Univ. Botan. Garden, Budapest). *Acta Biol. Acad. Sci. Hung.* 5, 67-78 (1954).—When cells of *E. canadensis* leaf were subjected to hypertonic solns. of $MnSO_4$, coagulation and acidification of the cytoplasm were observed; these were regarded as stages of necrosis. The chloroplasts apparently survived for several days and carried on their normal function of photosynthesis, as shown by their ability to continue starch manuf.. However, the starch mobilization function (as indicated by residual starch content found in leaves in morning after detn. on previous day) was inhibited, and it was concluded that the cytoplasm regulates this function of starch movement. As concn. of solns. increased, increasingly smaller amts. of starch were mobilized (thus, 0.1M solu. over 72 hrs. mobilized 73.6%; 0.3M over 72 hrs. mobilized 23.7%). Starch synthesis in $MnSO_4$ solns. was slightly stimulated (compared to controls in natural water), reaching a max. at 0.1M concn. and declining extremely rapidly at 0.15M. The other electrolytes examd. (KCl, $Ca(NO_3)_2$, $AlCl_3$, $MnCl_2$) were neg. in this respect. With $MnSO_4$ solns., deplasmolizability remained longer than with comparable solns. of these other electrolytes; hence it was assumed that $MnSO_4$ is least destructive to the ultrastructure of the cytoplasm. G. M. Hocking.

POZSAR, B.

HUNG

Variable uptake in the plant tissue in hypo-, iso-, and hypertonic glycerol and salt solutions. N. Ginnesi and B. Pozsar (Univ. Botan. Garden, Budapest). *Acta Biol. Acad. Sci. Hung.* 5, 55-66(1954).—There is much more intensive uptake by epidermal cells of leaves of *Helodea* [*Elodea*] *canadensis* and of *Allium cepa* when immersed in hypotonic solus. of glycerol, KNO_3 , or $MnSO_4$ than from their isotonic or hypertonic solus. This difference in accumulative action is attributed to an active physiol. process provided by aerobic respiration. This was shown by the reduced accumulation following removal of O_2 (with basic pyrogallol) from air space, and also following poisoning of oxidases with KCN (0.03% soln.). This difference in uptake is partly explained as due to ability of hypotonic solus. to produce increased hydration with vacuole contraction, and partly due to a change in the reversibility of function of the cell membrane.

G. M. Hocking

POZSAR-B.

✓ Potassium uptake of seedlings from glauconite. Béla Pozsár. *Növénytermelés* 4, 253-6(1955).—Pulverized glauconite with 5.45% K_2O and an enriched type with 7.41% were used in nutrient media to grow seedlings of *Phaseolus vulgaris* for 4 weeks. The plants utilized in this period 19.4 and 22.0% of the available K_2O from the soils. This uptake and the dry matter of the plants were about three times higher than with the use of Gericke's soln. as the nutrient medium. J. A. Szilard

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FRISAN, F.; GINCEI, H.

The natural vacuolation of chromoblasts. In English. p. 153.
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